

### R E M A R K S

Careful review and examination of the subject application are noted and appreciated.

Applicants thank Examiner Hsia for the indication of allowed matter in claims 1-5, 8, 9, 11, 13-17, 19 and 20.

### SUPPORT FOR THE SPECIFICATION AMENDMENTS

Support for the specification amendments may be found in the specification, for example, in claim 7, claim 10 and FIG. 4, as originally filed. Thus, no new matter has been added.

### SUPPORT FOR THE DRAWING AMENDMENTS

Support for the drawing amendments may be found in the specification, for example, on page 23 lines 8-20, as originally filed. Thus, no new matter has been added.

### SUPPORT FOR THE CLAIM AMENDMENTS

Support for the claim amendments may be found in the specification, for example, on page 17 lines 6-14, page 17 line 19 through page 18 line 12, page 19 line 11 through page 20 line 5, claim 13 and FIGS. 4 and 5, as originally filed. Thus, no new matter has been added.

### **OBJECTION TO THE DRAWINGS**

The objection to the drawings under 37 CFR 1.83(a) has been obviated in part as shown in the attached new sheet, is respectfully traversed in part, and should be withdrawn. Entry of the new FIG. 11 is respectfully requested.

The second angles between 90 degrees and 180 degrees noninclusive of claim 6 are shown in FIG. 6 as angles 0 through 6. Generation of the pad samples of claims 7 and 10 are now shown in the FIG. 11. The switching of claims 12 and 18 have been obviated by appropriate amendment to claim 12 and cancellation of claim 18. As such, the drawings are compliant with 37 CFR 1.83(a) and the objections should be withdrawn.

### **OBJECTION TO THE SPECIFICATION**

The objection to the specification for informalities has been obviated by appropriate amendment and should be withdrawn.

The specification has been amended per the suggestions in the Office Action.

### **CLAIM OBJECTIONS**

The objection to claims 1, 10 and 20 for informalities has been obviated in part by appropriate amendment, is respectfully traversed in part, and should be withdrawn.

Claims 1 and 10 are amendment per the suggestions in the Office Action. As such, the objections to claims 1 and 10 should be withdrawn.

From the context of claim 20, the "after" in line 10 refers to time, not a physical location. Therefore, generation of "said interpolated samples using ... said second field after said vertical spatial filtering" properly sequences the function of generating the interpolated samples at a later time than the function of vertical spatial filtering the second field. As such, claim 20 is correct as written and the objection should be withdrawn.

#### **CLAIM REJECTIONS UNDER 35 U.S.C. §112**

The rejection of claims 6, 7, 10, 12 and 18 under 35 U.S.C. §112, first paragraph, enablement has been obviated in part by appropriate amendment, is respectfully traversed in part, and should be withdrawn.

Regarding claim 6, representative examples of the second angles between 90 degrees and 180 degrees noninclusive are shown in FIG. 6 as angles 0 through 6. The angles are also described in the specification on page 20, lines 11-20. Furthermore, equation 1 on the bottom of page 20 shows how to calculate the angles between 90 degrees and 180 degrees. Therefore, the specification does contain sufficient information to enable one of ordinary skill in the art

how to make/use the invention as claimed. As such, claim 6 is fully compliant with 35 USC §112, first paragraph, enablement and the rejection should be withdrawn.

Regarding claims 7 and 10, the specification describes on page 23, lines 8-20 several different methods for generating the pad samples beyond a boundary of a current field (e.g., mirroring, using fixed values and copying). Therefore, the specification does contain sufficient information to enable one of ordinary skill in the art how to make/use the invention as claimed. As such, claims 7 and 10 are fully compliant with 35 USC §112, first paragraph, enablement and the rejection should be withdrawn.

Claim 12 has been amended to remove the switching language. As such, claim 12 is fully compliant with 35 USC §112, first paragraph, enablement and the rejection should be withdrawn.

Claim 18 has been canceled and thus the rejection should be withdrawn.

Claim 21 depends from claim 11, which have been allowed. As such, claim 21 is also fully patentable and should be allowed.

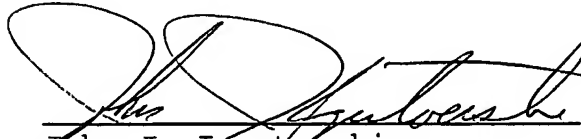
Accordingly, the present application is in condition for allowance. Early and favorable action by the Examiner is respectfully solicited.

The Examiner is respectfully invited to call the Applicants' representative at 586-498-0670 should it be deemed beneficial to further advance prosecution of the application.

If any additional fees are due, please charge Deposit  
Account No. 12-2252.

Respectfully submitted,

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